



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/475,206	12/30/1999	FEN-CHUNG KUNG	1999-0309	6067

7590 08/08/2005

MR. S. H. DWORETSKY  
AT&T CORP.  
BOX 4110  
MIDDLETOWN, NJ 07748

EXAMINER
----------

BOAKYE, ALEXANDER O

ART UNIT	PAPER NUMBER
----------	--------------

2667

DATE MAILED: 08/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

8

ST

<b>Office Action Summary</b>	<b>Application No.</b> 09/475,206	<b>Applicant(s)</b> KUNG ET AL.	
	<b>Examiner</b> Alexander Boakye	<b>Art Unit</b> 2666	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 02 May 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,4-14,17-28,30-33,44 and 45 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.

- 6) ☒ Claim(s) 1,4-14,17-28, 30-33,44-45 is/are rejected.

- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.

- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____  |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>05/02/05</u> . | 6) <input type="checkbox"/> Other: _____                                    |

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1, 4, 5, 6, 7, 8, 12, 13, 14, 17, 18, 19, 25, 44 and 45 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fogg et al. (US Patent # 5,841,839).

Regarding claims 1, 4, 5 and 6, Fogg discloses: multiple ports identified by at least one designation element (column 5, lines 38-61; column 5, lines 7-12 ;the claimed designated element is a telephone number resident in the telephone extension station of Fig. 3 ), at least one end user device connected to each port (column 4, lines 51-54; end user device 14 is connected to port 44 as shown in Fig. 2 and 5), a transceiver (transmit line connected to PBX 16 and receive line connected to VOD MUX 50 of Fig. 2 correspond to the claimed transceiver since the system transmits and receive signal), a processing unit, wherein the processing unit provides a greeting and routes a signal received by the transceiver to one of the multiple ports selected by an end user using the greeting(column 5, lines 7-12; column 6, lines 50-51; column 7, lines 16-20 ). Fogg does not explicitly disclose broadband communication system but one of ordinary skill in the art would have been motivated to use broadband communication system in order to

Art Unit: 2667

provide high speed transmission. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate broadband communication system into communication network of Fogg with the motivation being that it provides capability of offering high speed transmission, thus enhancing efficiency.

Regarding claim 7, Fogg discloses that the at least one end user device provides a distinct alert (column 5, lines 7-10; the claimed distinct alert reads on ring no answer as evidenced by Fogg).

Regarding claim 8, Fogg disclose that the distinct alert is a distinctive ring (column 5, lines 7-10; the claimed distinct ring corresponds to ring no answer as evidenced by Fogg).

Regarding claim 12, Fogg teaches that at least one end user device includes more POTS telephones (see Figs. 3 and 4).

Regarding claim 13, Fogg teaches that the designation element is a directory number(column 8, lines 17-22; the claimed designation element is a directory number corresponds to telephone number residing in the telephone extension station of Fig. 3 since directory number is a telephone number)

Regarding claims 14, 17, 18 and 19, Fogg discloses: multiple ports identified by multiple designations with at least one end user device connected to each port (column 5, lines 38-61; column 5, lines 7-12); a processing unit which provides a greeting, upon receiving a signal including one of the multiple designations, the processing units routes the signal to one of the multiple ports depending on a port selected by an end user using the greeting, and transceiver( column 5, lines 7-12; column 6, lines 50-51; column

7, lines 16-20). Fogg does not explicitly disclose broadband communication system but one of ordinary skill in the art would have been motivated to use broadband communication system in order to provide high speed. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate broadband communication system into communication network of Fogg with motivation being that it provides capability to offer high speed transmission, thus enhancing efficiency.

Regarding claim 25, Fogg teaches that at least one end user device includes more POTS telephones (see Figs. 3 and 4).

Regarding claim 44, Fogg teaches that the end user interface is located at a customer premises (customer premises interface Central office side in Fig. 1A )

Regarding claim 45, Fogg teaches that end user interface is located at a customer premises (see Fig. 1A).

**2.** Claims 9,10, 20, 21, 22, 23, 27, 30, 31, 32 and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fogg et al. (US Patent # 5,841,839) in view of London (US Patent # 5,590,184).

Regarding claims 27, 30, 31 and 32 Fogg discloses: receiving an incoming call ( column 6, lines 27-30), providing a greeting (column 6, lines 47-52), selecting a port using the greeting ( column 7, lines 16-20; column 8, lines 1-9), and directing the incoming call to the selected port ( column 9, lines 20-23). Fogg does not teach mapping the directory number with the multiple ports on the end user interface.

Art Unit: 2667

However, London disclose mapping the directory number (telephone number) with the multiple ports on the end user interface (column 3, lines 43-56). One of ordinary skill in the art would have been motivated to incorporate mapping directory number with multiple ports on the end user device in order for the communication system selects a telephone number that has not previously assigned to any service subscriber.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate mapping of directory number with the multiple ports on the end user interface such as the one taught by London into the communication network of Fogg with the motivation being that it provides capability for the communication system to select a telephone number that has not previously assigned to any service subscriber.

Regarding claims 9, 22 and 33, Fogg teaches receiving an incoming call (column 6, lines 27-30). Fogg does not disclose that each of the multiple ports includes a unique identity and displaying. However, London teaches that each of the multiple ports includes a unique identity and displaying (column 3, lines 8-18). One of ordinary skill in the art would have been motivated to incorporate multiple ports includes unique identity and display into the communication network in order to ensure security.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate multiple ports includes unique identity and display such as the one taught by London into the communication network of Fogg with the motivation being that it provides security.

Regarding claims 10 and 23, Fogg discloses end user interface (block 40, Fig. 2). Fogg does not disclose that the identity includes number. However, London teaches that the identity includes a number (column 6, lines 17-21). One of ordinary skill in the art would have been motivated to incorporate a number into the communication network in order to be able filter out unwanted signals. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate a number such as the one taught by London into the communication network of Fogg with the motivation being that it provides capability for the system to filter out unwanted packet ,thus reducing congestion.

Regarding claim 20, Fogg discloses that the at least one end user device provides a distinct alert (column 5, lines 7-10; the claimed distinct alert reads on ring no answer as evidenced by Fogg).

Regarding claim 21, Fogg disclose that the distinct alert is a distinctive ring (column 5, lines 7-10).

### ***Response to Arguments***

3. Applicant's arguments with respect to claims 1, 4-14,17-28, 30-33 and 44-45 have been considered but are moot in view of the new ground(s) of rejection.

### **Conclusion**

Art Unit: 2667

4. Any inquiry concerning this application or earlier communications from the examiner should be directed to Alexander Boakye whose telephone number is (571) 272-3183. The examiner can normally be reached on M-F from 8:30am to 6:00pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on (571) 272-3179. The fax number is (703) 872-9314. Any inquiry of a general or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (703) 305-4750.

Alexander Boakye

Patent Examiner

AB

8/4/05

  
CHI PHAM  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600 8/5/05